

Appl. No. (not yet known)
Preliminary Amendment dated November 14, 2003
Continuation Application of SN 09/601,902

IN THE SPECIFICATION-

Amendments to the Specification:

Please add the following new paragraph before the paragraph "Field of the Invention" on page 1:

Claim to priority

This application claims the benefit of co-pending United States patent application entitled "METHOD AND AN ARRANGEMENT FOR OBJECTIVE ASSESSMENT OF VIDEO QUALITY" filed October 17, 2000 and assigned serial number 09/601,901, which is incorporated by reference herein.

Insert the following Abstract at the end of the patent application:

Abstract

A method of and an arrangement for obtaining quality indicators for an objective assessment of a degraded or output video signal (11) with respect to a reference or input video signal (10). The strength of edges or signal transitions (12; 13) in both the input and the output video signals (10; 11) are calculated (14) providing input and output edge signals (15; 16). By processing (19; 21, 22) the edge signals (15; 16) introduced edges (23) and omitted edges (24) in the output edge signal (16) are established. For each of the luminance and chrominance signals of a colour video signal first and second quality indicators are obtained from normalized values of the introduced edges (23) and the

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omitted edges (24), relative to the output edge signal (23) and the input edge signal (24) normalized by first and second normalization factors, respectively. By using smeared Sobel filtering, correlation of calculated MOS and observed MOS by human test `persons reaches a value of above 0.9.